



# REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

36 APR 2001

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum) NOPCT-31

Box No. I TITLE OF INVENTION  
MASKING MEMBER

Box No. II APPLICANT

☐ This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

NAGOYA OILCHEMICAL CO., LTD.  
213-5, Honowari, Minamishibata-cho, Tokai-shi,  
Aichi 476-0001 Japan

Telephone No.  
(052)603-2611

Facsimile No.  
(052)603-2615

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality:  
JAPAN

State (that is, country) of residence:  
JAPAN

This person is applicant  
for the purposes of:

☐ all designated  
States

☒ all designated States except  
the United States of America

☐ the United States  
of America only

☐ the States indicated in  
the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

OGAWA Masanori  
c/o NAGOYA OILCHEMICAL CO., LTD.  
213-5, Honowari, Minamishibata-cho, Tokai-shi,  
Aichi 476-0001 Japan

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box  
is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
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☐ all designated States except  
the United States of America

☒ the United States  
of America only

☐ the States indicated in  
the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf  
of the applicant(s) before the competent International Authorities as:

☒ agent

☐ common  
representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

USAMI Tadao  
No.102, 32, Tsukimigaoka, Yatomi-cho, Mizuho-ku  
Nagoya-shi, Aichi 467-0035 Japan

Telephone No.  
052-831-0901

Facsimile No.  
052-834-2330

Teleprinter No.

Agent's registration No. with the Office  
7547

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

## Continuation of Box No. III OTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

ITO kuninori  
c/o NAGOYA OILCHEMICAL CO., LTD.  
213-5, Honowari, Minamishibata-cho, Tokai-shi,  
Aichi 476-0001 Japan

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

JAPAN

State (that is, country) of residence:

JAPAN

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only  
☐ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

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This person is applicant for the purposes of:

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Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ applicant only  
☐ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

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This person is:

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☐ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

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This person is applicant for the purposes of:

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☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.

**Box No. V DESIGNATION STATES**Mark the applicable check-boxes below. *At least one must be marked.*

The following designations are hereby made under Rule 4.9(a):

**Regional Patent**

- ☐ **AP ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (*if other kind of protection or treatment desired, specify on dotted line*) . . . . .
- ☐ **EA Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP European Patent:** AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☐ **OA OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (*if other kind of protection or treatment desired, specify on dotted line*) . . . . .

**National Patent** (*if other kind of protection or treatment desired, specify on dotted line*):

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> AE United Arab Emirates . . . . .               | <input type="checkbox"/> GM Gambia . . . . .                                    | <input type="checkbox"/> NZ New Zealand . . . . .                         |
| <input type="checkbox"/> AG Antigua and Barbuda . . . . .                | <input type="checkbox"/> HR Croatia . . . . .                                   | <input type="checkbox"/> OM Oman . . . . .                                |
| <input type="checkbox"/> AL Albania . . . . .                            | <input type="checkbox"/> HU Hungary . . . . .                                   | <input type="checkbox"/> PH Philippines . . . . .                         |
| <input type="checkbox"/> AM Armenia . . . . .                            | <input type="checkbox"/> ID Indonesia . . . . .                                 | <input type="checkbox"/> PL Poland . . . . .                              |
| <input type="checkbox"/> AT Austria . . . . .                            | <input type="checkbox"/> IL Israel . . . . .                                    | <input type="checkbox"/> PT Portugal . . . . .                            |
| <input checked="" type="checkbox"/> AU Australia . . . . .               | <input type="checkbox"/> IN India . . . . .                                     | <input type="checkbox"/> RO Romania . . . . .                             |
| <input type="checkbox"/> AZ Azerbaijan . . . . .                         | <input type="checkbox"/> IS Iceland . . . . .                                   | <input type="checkbox"/> RU Russian Federation . . . . .                  |
| <input type="checkbox"/> BA Bosnia and Herzegovina . . . . .             | <input type="checkbox"/> JP Japan . . . . .                                     |   |
| <input type="checkbox"/> BB Barbados . . . . .                           | <input type="checkbox"/> KE Kenya . . . . .                                     | <input type="checkbox"/> SC Seychelles . . . . .                          |
| <input type="checkbox"/> BG Bulgaria . . . . .                           | <input type="checkbox"/> KG Kyrgyzstan . . . . .                                | <input type="checkbox"/> SD Sudan . . . . .                               |
| <input type="checkbox"/> BR Brazil . . . . .                             | <input type="checkbox"/> KP Democratic People's Republic of Korea . . . . .     | <input type="checkbox"/> SE Sweden . . . . .                              |
| <input type="checkbox"/> BY Belarus . . . . .                            | <input checked="" type="checkbox"/> KR Republic of Korea . . . . .              | <input type="checkbox"/> SG Singapore . . . . .                           |
| <input type="checkbox"/> BZ Belize . . . . .                             | <input type="checkbox"/> KZ Kazakhstan . . . . .                                | <input type="checkbox"/> SK Slovakia . . . . .                            |
| <input checked="" type="checkbox"/> CA Canada . . . . .                  | <input type="checkbox"/> LC Saint Lucia . . . . .                               | <input type="checkbox"/> SL Sierra Leone . . . . .                        |
| <input type="checkbox"/> CH & LI Switzerland and Liechtenstein . . . . . | <input type="checkbox"/> LK Sri Lanka . . . . .                                 | <input type="checkbox"/> TJ Tajikistan . . . . .                          |
| <input checked="" type="checkbox"/> CN China . . . . .                   | <input type="checkbox"/> LR Liberia . . . . .                                   | <input type="checkbox"/> TM Turkmenistan . . . . .                        |
| <input type="checkbox"/> CO Colombia . . . . .                           | <input type="checkbox"/> LS Lesotho . . . . .                                   | <input type="checkbox"/> TN Tunisia . . . . .                             |
| <input type="checkbox"/> CR Costa Rica . . . . .                         | <input type="checkbox"/> LT Lithuania . . . . .                                 | <input type="checkbox"/> TR Turkey . . . . .                              |
| <input type="checkbox"/> CU Cuba . . . . .                               | <input type="checkbox"/> LU Luxembourg . . . . .                                | <input type="checkbox"/> TT Trinidad and Tobago . . . . .                 |
| <input type="checkbox"/> CZ Czech Republic . . . . .                     | <input type="checkbox"/> LV Latvia . . . . .                                    |   |
| <input type="checkbox"/> DE Germany . . . . .                            | <input type="checkbox"/> MA Morocco . . . . .                                   | <input type="checkbox"/> TZ United Republic of Tanzania . . . . .         |
| <input type="checkbox"/> DK Denmark . . . . .                            | <input type="checkbox"/> MD Republic of Moldova . . . . .                       | <input type="checkbox"/> UA Ukraine . . . . .                             |
| <input type="checkbox"/> DM Dominica . . . . .                           |   | <input type="checkbox"/> UG Uganda . . . . .                              |
| <input type="checkbox"/> DZ Algeria . . . . .                            | <input type="checkbox"/> MG Madagascar . . . . .                                | <input checked="" type="checkbox"/> US United States of America . . . . . |
| <input type="checkbox"/> EC Ecuador . . . . .                            | <input type="checkbox"/> MK The former Yugoslav Republic of Macedonia . . . . . |   |
| <input type="checkbox"/> EE Estonia . . . . .                            | <input type="checkbox"/> MN Mongolia . . . . .                                  | <input type="checkbox"/> UZ Uzbekistan . . . . .                          |
| <input type="checkbox"/> ES Spain . . . . .                              | <input type="checkbox"/> MW Malawi . . . . .                                    | <input type="checkbox"/> VC Saint Vincent and the Grenadines . . . . .    |
| <input type="checkbox"/> FI Finland . . . . .                            | <input type="checkbox"/> MX Mexico . . . . .                                    | <input type="checkbox"/> VN Viet Nam . . . . .                            |
| <input type="checkbox"/> GB United Kingdom . . . . .                     | <input type="checkbox"/> MZ Mozambique . . . . .                                | <input type="checkbox"/> YU Yugoslavia . . . . .                          |
| <input type="checkbox"/> GD Grenada . . . . .                            | <input type="checkbox"/> NO Norway . . . . .                                    | <input type="checkbox"/> ZA South Africa . . . . .                        |
| <input type="checkbox"/> GE Georgia . . . . .                            |   | <input type="checkbox"/> ZM Zambia . . . . .                              |
| <input type="checkbox"/> GH Ghana . . . . .                              |   | <input type="checkbox"/> ZW Zimbabwe . . . . .                            |

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

- |                                    |                                    |                                    |
|------------------------------------|------------------------------------|------------------------------------|
| <input type="checkbox"/> . . . . . | <input type="checkbox"/> . . . . . | <input type="checkbox"/> . . . . . |
| <input type="checkbox"/> . . . . . | <input type="checkbox"/> . . . . . | <input type="checkbox"/> . . . . . |

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (*Confirmation (including fees) must reach the receiving Office within the 15-month time limit.*)

**Box No. VI PRIORITY CLAIM**

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 29.10.02	JP2002-314171	JAPAN		
item (2)				
item (3)				
item (4)				
item (5)				

☐ Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

☒ all items   
☐ item (1)   
☐ item (2)   
☐ item (3)   
☐ item (4)   
☐ item (5)   
☐ other, see Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): . . . .

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / JP

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)

Number

Country (or regional Office)

**Box No. VIII DECLARATIONS**

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of  
declarations

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Box No. VIII (i)   | Declaration as to the identity of the inventor   | : |
| <input type="checkbox"/> Box No. VIII (ii)  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | : |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | : |
| <input type="checkbox"/> Box No. VIII (iv)  | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | : |
| <input type="checkbox"/> Box No. VIII (v)   | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | : |